

> file ca

> s (rnase? or barnase?)/ab,bi

41 33731 (RNASE? OR BARNASE?)/AB,BI

> s (subunit? or sub(w)unit?)/ab,bi

42 160173 (SUBUNIT? OR SUB(W)UNIT?)/AB,BI

> s l41 and l42

43 1871 L41 AND L42

> s l41(10a)l42

44 585 L41(10A)L42

> s l44 and l6

45 6 L44 AND L6

> file biosis

> s l45

46 1 L44 AND L6

09/377,502

12/16/02

CAS

Biosis

USpat full

=> dup rem
L47, 6 DUP REM L45 L46 (1 DUPLICATE REMOVED)

=> d l47 ti py 1-6

=> d l47 1-6 ab

=> d l47 2

too late

L47 ANSWER 2 OF 6 CA COPYRIGHT 2002 ACS

AN 135:223458 CA

TI Bacterial ***RNase*** P protein ***subunits*** and their use in
identifying antibacterial compounds

IN Gopalan, Venkat; Jovanovic, Milan; Eder, Paul S.; Giordano, Tony; Powers,
Gordon D.; Xavier, K. Asish

PA Message Pharmaceuticals, Inc., -USA; Ohio State University

SO Eur. Pat. Appl., 58 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1130091	A2	20010905	EP 2001-105007	20010301
	EP 1130091	A3	20011114		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CA 2335389	AA	20010901	CA 2001-2335389	20010301
PRAI	US 2000-516061	A	20000301		

=> file ca

=> s (dimer? or homodimer? or heterodimer?)/ab,bi

L48 179065 (DIMER? OR HOMODIMER? OR HETERODIMER?)/AB,BI

=> s l48 and l41

L49 691 L48 AND L41

=> s l49 and l6

L50 5 L49 AND L6

=> s l50 not l47

L51 6 S L47

L52 5 L50 NOT L51

=> file biosis

=> s l50

L53 2 L49 AND L6

=> dup rem

L54 5 DUP REM L50 L53 (2 DUPLICATES REMOVED)

=> d l54 1-5 ti py

=> d l54 1-5 ab

=> d l54 3

L54 ANSWER 3 OF 5 CA COPYRIGHT 2002 ACS

AN 125:267537 CA

TI Control of gene expression in plants by receptor-mediated transactivation

in the presence of a chemical ligand
IN, Goff, Stephen Arthur; Crossland, Lyle Dean; Privalle, Laura Stein
PA Ciba-Geigy A.-G., Switz.
SO PCT Int. Appl., 63 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9627673	A1	19960912	WO 1996-EP686	19960219
	CA 2213340	AA	19960912	CA 1996-2213340	19960219
	AU 9648782	A1	19960923	AU 1996-48782	19960219
	AU 703124	B2	19990318		
	EP 813604	A1	19971229	EP 1996-904817	19960219
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
	JP 11500922	T2	19990126	JP 1996-526556	19960219
	US 5880333	A	19990309	US 1998-10050	19980121 <i>have</i>
	US 6147282	A	20001114	US 1999-234190	19990120
	US 2001022004	A1	20010913	US 2001-813589	20010321
PRAI	US 1995-398037	A	19950303		
	WO 1996-EP686	W	19960219		
	US 1998-10050	A3	19980121		
	US 1999-234190	A1	19990120		
	US 2000-625904	A1	20000726		

=> file uspatfull

=> s 144

L55 96 L41(10A)L42

=> s 155 and 16

L56 34 L55 AND L6

=> s 156 and 148

L57 12 L56 AND L48

=> d 157 1-12 ti

=> d 157 ab 5 7

=> d 157 9 ab

=> d 157 9

L57 ANSWER 9 OF 12 USPATFULL

AN 2000:132078 USPATFULL

TI Method of using transactivation proteins to control expression in
transgenic plants

IN Bennett, Malcolm, Coventry, United Kingdom

May, Sean, Earlsdon, United Kingdom

Ramsay, Nicola, Bishopston, United Kingdom

PA University of Warwick, Coventry, United Kingdom (non-U.S. corporation)

PI US 6127606 20001003

AI US 1998-123644 19980728 (9)

RLI Continuation-in-part of Ser. No. US 1995-452267, filed on 26 May 1995,
now patented, Pat. No. US 5801027

PRAI GB 1995-2456 19950208

checked

=> log y

STN INTERNATIONAL LOGOFF AT 20:58:52 ON 16 DEC 2002

> file ca

09/377,502

> s (dimer? or homodimer? or heterodimer? or subunit? or sub(w)unit?)/ab,bi

6 275906 (DIMER? OR HOMODIMER? OR HETERODIMER? OR SUBUNIT? OR SUB(W)UNIT?
)/AB,BI

> s (transgen? or agrobacterium or electroporat? or biolistic? or microinject?

7 56044 (TRANSGEN?-OR- AGROBACTERIUM OR ELECTROPORAT? OR BIOLISTIC? OR
MICROINJECT? OR MICROPROJECT?)/AB,BI

=> s (breed? or cross? or hybrid? or pollinat?)/ab,bi

L8 774978 (BREED? OR CROSS? OR HYBRID? OR POLLINAT?)/AB,BI

=> s 16 and 17 and 18

L9 364 L6 AND L7 AND L8

=> s 16(1)17

L10 2124 L6(L)L7

=> s 110(1)18

L11 224 L10(L)L8

=> s 16(10a)17

L12 624 L6(10A)L7

CAS
B12113
✓ stat full
2/26/01

=> s 112(10a)l8

L13 14 L12(10A)L8

=> file biosis

=> s 113

L14 14 L12(10A)L8

=> dup rem

L15 20 DUP REM L13 L14 (8 DUPLICATES REMOVED)

=> d 115 1-20

L15 ANSWER 1 OF 20 CA COPYRIGHT 2001 ACS

AN 132:147606 CA

TI Transgenic tomatoes with increased starch synthesis from selective breeding and genetic engineering

IN Schaffer, Arthur A.; Levin, Ilan; Petreikov, Marina; Bar, Moshe

PA State of Israel-Ministry of Agriculture, Israel

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000005390	A2	20000203	WO 1999-IL396	19990719
	WO 2000005390	A3	20000824		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9947968	A1	20000214	AU 1999-47968	19990719
PRAI	IL 1998-125425		19980720		
	WO 1999-I				
L396	19990719				

L15 ANSWER 3 OF 20 CA COPYRIGHT 2001 ACS

AN 133:188584 CA

TI Silencing of HMW glutenins in transgenic wheat expressing extra HMW subunits

AU Alvarez, M. L.; Guelman, S.; Halford, N. G.; Lustig, S.; Reggiardo, M. I.; Ryabushkina, N.; Shewry, P.; Stein, J.; Vallejos, R. H.

CS Centro de Estudios Fotosinteticos y Bioquimicos (CEFOBI), Centro de Estudios Fotosinteticos y Bioquimicos (CEFOBI), CONICET-UNR, Rosario, 2000, Argent.

SO Theor. Appl. Genet. (2000), 100(2), 319-327

CODEN: THAGA6; ISSN: 0040-5752

PB Springer-Verlag

DT Journal

LA English

RE.CNT 32

RE

(1) Altpeter, F; Nature Biotechnol 1996, V14, P1155 CA

✓
ord
3/2

NY

- (2) Anderson, O; Nucleic Acids Res 1989, V17, P461 CA
(3) Barcelo, P; Methods in molecular biology - plant gene transfer and expression protocols 1995, V49, P113 CA
(4) Barro, F; Nature Biotechnol 1997, V15, P1295 CA
(5) Becker, D; Plant J 1994, V5, P299 CA
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 6 OF 20 BIOSIS COPYRIGHT 2001 BIOSIS
AN 1996:446315 BIOSIS
DN PREV199699168671
TI Characterization of ***transgenic*** wheat lines that synthesize a
hybrid high-molecular-weight glutenin ***subunit***
AU Blechl, Ann E. (1); Le, Hung Q.; Graybosch, Robert; Anderson, Olin D.
CS (1) Agricultural Res. Serv., USDA, Western Regional Res. Cent., 800
Buchanan St., Albany, CA 94710 USA
SO Cereal Foods World, (1996) Vol. 41, No. 7, pp. 556.
Meeting Info.: 81st Annual Meeting of the American Association of Cereal
Chemistry Baltimore, Maryland, USA September 15-19, 1996
ISSN: 0146-6283.
DT Conference
LA English

L15 ANSWER 12 OF 20 CA COPYRIGHT 2001 ACS DUPLICATE 3
AN 120:187277 CA
TI Expression of a soybean (Glycine max [L.] Merr.) seed storage protein gene
in transgenic Arabidopsis thaliana and its response to nutritional stress
and to abscisic acid mutations
AU Naito, Satoshi; Hirai, Masami Yokota; Chino, Mitsuo; Komeda, Yoshibumi
CS Mol. Genet. Res. Lab., Univ. Tokyo, Tokyo, 113, Japan
SO Plant Physiol. (1994), 104(2), 497-503
CODEN: PLPHAY; ISSN: 0032-0889
DT Journal
LA English

L15 ANSWER 16 OF 20 CA COPYRIGHT 2001 ACS DUPLICATE 6
AN 117:23366 CA
TI Effects of sulfur nutrition on expression of the soybean seed storage
protein genes in transgenic petunia
AU Fujiwara, Toru; Hirai, Masami Yokota; Chino, Mitsuo; Komeda, Yoshibumi;
Naito, Satoshi
CS Fac. Agric., Univ. Tokyo, Tokyo, Japan
SO Plant Physiol. (1992), 99(1), 263-8
CODEN: PLPHAY; ISSN: 0032-0889
DT Journal
LA English

L15 ANSWER 19 OF 20 BIOSIS COPYRIGHT 2001 BIOSIS
AN 1988:94675 BIOSIS
DN BA85:51447
TI EXPRESSION OF THE BETA-SUBUNIT OF BETA CONGLYCININ IN SEEDS OF TRANSGENIC
PLANTS.
AU BRAY E A; NAITO S; PAN N-S; ANDERSON E; DUBE P; BEACHY R N
CS DEP. BOT. AND PLANT SCI., UNIV. CALIF., RIVERSIDE, CALIF. 92521, USA.
SO PLANTA (BERL), (1987) 172 (3), 364-370.
CODEN: PLANAB. ISSN: 0032-0935.
FS BA; OLD
LA English

L15 ANSWER 20 OF 20 CA COPYRIGHT 2001 ACS
AN 104:222123 CA
TI Developmental regulation of two genes encoding ribulose-bisphosphate
carboxylase small subunit in pea and transgenic petunia plants:
phytochrome response and blue-light induction ✓
AU Fluhr, Robert; Chua, Nam Hai
CS Lab. Plant Mol. Biol., Rockefeller Univ., New York, NY, 10021-6399, USA
SO Proc. Natl. Acad. Sci. U. S. A. (1986), 83(8), 2358-62
CODEN: PNASA6; ISSN: 0027-8424
DT Journal
LA English 3/2

L15 ANSWER 1 OF 20 CA COPYRIGHT 2001 ACS
AB A method for controlling starch synthesis in tomatoes by selecting desired
F1 offspring phenotypes of interspecific crosses of Lycopersicon spp. with
Lycopersicon esculentum genotypes is disclosed. Individuals that contain
an allele of a gene that increases starch synthesis, specifically
ADP-glucose pyrophosphorylase (ADPGPPase) gene, originating from the
Lycopersicon spp., is selected. Preferably, the gene codes for a
Lycopersicon hirsutum-derived subunit of ADPGPPase, and Lycopersicon
hirsutum large subunit (LS1) of ADPGPPase is used as mol. marker.
Selection involves measuring the ADPGPPase activity of a young fruit. A
method of producing a transgenic plant with elevated starch content is
also provided. The selected gene is introduced into a plant cell as
recombinant DNA, and the transgenic plant is regenerated from it and
propagated by either vegetative propagation or by seed.

=> file uspatfull

=> s 113

L16 15 L12(10A)L8

=> d 116 1-15

L16 ANSWER 1 OF 15 USPATFULL ✓
AN 2001:7892 USPATFULL
TI Altering wheat dough viscoelasticity with modified glutenins
IN Anderson, Olin D., Pleasant Hill, CA, United States
PA The United States of America as represented by the Secretary of
Agriculture, Washington, DC, United States (U.S. government)
PI US 6174725 20010116
AI US 1996-706391 19960830 (8)
DT Utility
LN.CNT 507
INCL INCLM: 435/419.000
INCLS: 435/410.000; 435/069.100; 435/419.000; 800/278.000; 800/284.000;
800/290.000; 800/320.300; 426/456.000
NCL NCLM: 435/419.000
NCLS: 435/410.000; 435/069.100; 435/419.000; 800/278.000; 800/284.000;
800/290.000; 800/320.300; 426/456.000
IC [7]
ICM: C12N005-04
ICS: C12N015-29; A01H005-00; A01H005-10
EXF 435/172.3; 435/172.1; 435/320.1; 435/410; 435/419; 435/418; 435/468;
435/69.1; 536/23.6; 536/24.1; 800/205; 800/320.3; 800/278; 800/284;
800/290; 935/6; 935/9; 935/10; 935/11; 935/30; 935/35; 935/60; 935/64;
935/67; 426/456

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 5 OF 15 USPATFULL

AN 2000:40882 USPATFULL

TI Method for producing immunoglobulins containing protection proteins in plants and their use

IN Hiatt, Andrew C., 660 Torrance St., San Diego, CA, United States 92103
Ma, Julian K.-C., 81 Grierson Road, London, United Kingdom SE231PE
Lehner, Thomas, 2 Wood Ride Hadley Wood, Barnet, Herts, United Kingdom EN40LL

Mostov, Keith E., 1975 Funston Ave., San Francisco, CA, United States 94116

PI US 6046037 20000404

AI US 1995-434000 19950504 (8)

RLI Continuation-in-part of Ser. No. US 1994-367395, filed on 30 Dec 1994, now abandoned

DT Utility

LN.CNT 4923

INCL INCLM: 435/070.100

INCLS: 435/069.100; 435/069.700; 435/070.230; 435/320.100; 435/419.000;
435/468.000; 800/278.000; 536/024.300; 536/023.500; 536/023.530;
536/024.100

NCL NCLM: 435/070.100

NCLS: 435/069.100; 435/069.700; 435/320.100; 435/419.000; 435/468.000;
536/023.500; 536/023.530; 536/024.100; 536/024.300; 800/278.000

IC [7]

ICM: C12N015-00

ICS: C12N015-29; C12N015-82; A01H004-00

EXF 800/205; 800/DIG.24; 800/DIG.40; 800/DIG.43; 800/278; 435/69.1;

435/69.7; 435/70.21; 435/172.3; 435/240.4; 435/320.1; 435/70.1;

435/70.23; 435/419; 435/468; 536/23.4; 536/23.5; 536/23.53; 536/24.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 9 OF 15 USPATFULL

AN 1999:146051 USPATFULL

TI Glutenin genes and their uses

IN Blechl, Ann E., Albany, CA, United States
Anderson, Olin D., Pleasant Hill, CA, United States
Somers, David A., Roseville, MN, United States
Torbert, Kimberly A., St. Paul, MN, United States
Rines, Howard W., Shoreview, MN, United States

PA The United States of America as represented by the Secretary of
Agriculture, Washington, DC, United States (U.S. government)
Regents of the University of Minnesota, Minneapolis, MN, United States
(U.S. corporation)

PI US 5985351 19991116

AI US 1999-265442 19990309 (9)

RLI Division of Ser. No. US 1997-897659, filed on 21 Jul 1997 which is a
continuation-in-part of Ser. No. US 1997-785756, filed on 18 Jan 1997,
now abandoned which is a division of Ser. No. US 1996-586331, filed on
16 Jan 1996, now patented, Pat. No. US 5650558

DT Utility

LN.CNT 1098

INCL INCLM: 426/622.000

INCLS: 426/549.000

NCL NCLM: 426/622.000

NCLS: 426/549.000

IC [6]

ICM: A21D002-26

EXF 426/549; 426/622

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 10 OF 15 USPATFULL

AN 1999:117748 USPATFULL
TI Transgenic plants expressing assembled secretory antibodies
IN Hein, Mich B., Fallbrook, CA, United States
Hiatt, Andrew, San Diego, CA, United States
Ma, Julian K-C, London, United Kingdom
PA The Scripps Research Institute, La Jolla, CA, United States (U.S. corporation)
PI US 5959177 19990928
AI US 1996-642406 19960503 (8)
RLI Continuation-in-part of Ser. No. US 1992-971951, filed on 5 Nov 1992, now patented, Pat. No. US 5639947 which is a continuation of Ser. No. US 1990-591823, filed on 2 Oct 1990, now patented, Pat. No. US 5202422 which is a continuation-in-part of Ser. No. US 1989-427765, filed on 27 Oct 1989, now abandoned
DT Utility
LN.CNT 4721
INCL INCLM: 800/288.000
INCLS: 800/295.000; 435/419.000; 435/069.100; 435/320.100; 536/023.500; 536/023.530; 536/024.100
NCL NCLM: 800/288.000
NCLS: 435/069.100; 435/320.100; 435/419.000; 536/023.500; 536/023.530; 536/024.100; 800/295.000
IC [6]
ICM: C12N015-00
ICS: C12N015-29; C12N015-82; A01H005-00
EXF 800/209; 435/172.3; 435/320.1; 435/419; 435/69.1; 536/23.5; 536/25.53; 536/24.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 11 OF 15 USPATFULL
AN 1999:69839 USPATFULL
TI Glutenin genes and their uses
IN Blechl, Ann E., Albany, CA, United States
Anderson, Olin D., Pleasant Hill, CA, United States
Somers, David A., Roseville, MN, United States
Torbert, Kimberly A., St. Paul, MN, United States
Rines, Howard W., Shoreview, MN, United States
PA The United States of America as represented by the Secretary of Agriculture, Washington, DC, United States (U.S. government)
Regents of the University of Minnesota, Minneapolis, MN, United States (U.S. corporation)
PI US 5914450 19990622
AI US 1997-897659 19970721 (8)
RLI Continuation-in-part of Ser. No. US 1997-785716, filed on 16 Jan 1997 which is a division of Ser. No. US 1996-586331, filed on 12 Jan 1996, now patented, Pat. No. US 5650558
DT Utility
LN.CNT 1140
INCL INCLM: 800/295.000
INCLS: 800/298.000; 800/320.000; 800/320.100; 800/320.200; 435/320.100; 435/419.000; 435/468.000; 536/023.600; 536/024.100
NCL NCLM: 800/295.000
NCLS: 435/320.100; 435/419.000; 435/468.000; 536/023.600; 536/024.100; 800/298.000; 800/320.000; 800/320.100; 800/320.200
IC [6]
ICM: C12N015-29
ICS: C12N015-82; C12N015-00; A01H004-00
EXF 800/205; 800/250; 800/DIG.58; 800/DIG.55; 800/295; 800/298; 800/320; 800/320.1; 800/320.2; 435/172.3; 435/69.1; 435/69.7; 435/419; 435/320.1; 435/468; 536/23.6; 536/24.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L16 ANSWER 14 OF 15 USPATFULL
AN 97:64154 USPATFULL
TI Glutenin genes and their uses
IN Blechl, Ann E., Albany, CA, United States
Anderson, Olin D., Pleasant Hill, CA, United States
PA The United States of America as represented by the Secretary of
Agriculture, Washington, DC, United States (U.S. government)
PI US 5650558 19970722
AI US 1996-586331 19960112 (8)
DT Utility
LN.CNT 944
INCL INCLM: 800/205.000
INCLS: 800/250.000; 800/DIG.058; 536/024.100; 536/023.600; 435/172.300;
435/069.700; 435/069.100
-NCL- NCLM: 800/287.000
NCLS: 435/069.100; 435/069.700; 536/023.600; 536/024.100; 800/320.300
[C [6]
ICM: C12N015-00
ICS: C12N015-29; C12N015-82; A01H001-00; A01H005-00
EXF 800/205; 800/250; 800/DIG.58; 435/240.4; 435/172.3; 435/69.1; 435/69.7;
536/24.1; 536/23.6
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 116 ab 1 2 7